

**REMARKS**

The claims have been amended to clarify that the invention is directed to a plasma display panel including a display filter. Additionally, claims 4, 6, 11 and 13 have been amended to address the 112 rejection. Claims 15-20 have been cancelled. No new matter has been entered.

It is submitted that the claims, as amended, are patentable over the cited art.

A plasma display panel in accordance with the present invention is characterized by having a display filter having a function of absorbing visible rays having a wavelength other than wavelengths of red, green and blue lights. Since visible rays other than red, green and blue lights are absorbed among external light, it would be possible to enhance contrast.

For instance, consider an example in which it is assumed that external light is white light, visible light having a wavelength other than wavelengths of red, green and blue light is 70% of the external light, and the visible light is absorbed in the display filter by 20%, that is, the visible light can pass through the display filter by 80%.

In such example, the external light is reflected at the display filter by 74.8% ( $0.3 + 0.7 \times 0.8 \times 0.8 = 0.748$ ).

Light emitted from the plasma display panel are not reduced, even if the light passes through the display filter. This is because the plasma display panel emits light itself. Thus, it is ensured that contrast in bright places can be significantly enhanced.

With the foregoing in mind, and considering first the rejection of claims 1-3, 5, 7-10, 12, 14-17 and 19 as anticipated by Okada (U.S. Patent No. 6,549,261), claims 15-20 have been cancelled. As to the remaining claims, Okada discloses a light reflection type liquid crystal

display device in which external light is reflected at a light reflector towards a viewer, and accordingly, a viewer can look at displayed images.

In Okada, as illustrated in FIG. 2 thereof, the liquid crystal display device is designed to include the filter or colored film 70 having a function of absorbing light having a wavelength other than a selective reflection wavelength of the liquid crystal 22. Similar to the above-mentioned example, it is assumed that light having a wavelength other than a selective reflection wavelength of the liquid crystal 22 is 70% of the external white light. Ideally, the light has to exert no influence on the selective reflection at the liquid crystal 22.

In the present invention, among the external light of 30%, the external light of 10% contributes to the selective reflection at the liquid crystal 22 in each of green, red and blue lights, which corresponds to a light emitted from the plasma display panel in accordance with the present invention.

In contrast, the external light of 74.8% ( $0.3 + 0.7 \times 0.8 \times 0.8 = 0.748$ ) ideally contributes to reflection other than the selective reflection at the liquid crystal 22 in Okada. A contrast is defined as a ratio of a bright luminance to a dark luminance. In Okada, 10% out of the external light contributes to a bright luminance, and 75% out of the external light contributes to a dark luminance. This means that contrast in bright places is not enhanced in Okada. A light reflection type liquid crystal display device such as a device disclosed in Okada is generally designed to have such a structure that external light is randomly reflected to reduce actual influence which the external light contributing to a dark luminance exerts on a dark luminance.

In addition, the object of Okada is to prevent degradation in both vividness of displayed color and transparency of a light passing through the liquid crystal display device. Okada never mentions improvement of contrast in bright places.

In summary, Okada suggests a light-reflection type liquid crystal display device which is structurally different from a plasma display panel which emits lights itself. Okada cannot improve contrast in bright places, and in addition, Okada never suggests a motivation for improving contrast in bright places by providing a plasma display panel with a display filter arranged in alignment with a screen and having a function of absorbing visible rays having wavelengths other than wavelengths of red, green and blue lights as required by Applicant's claims. Accordingly, claims 1-3, 5, 7-10, 12 and 14 cannot be said to be anticipated by Okada.

Turning to the rejection of claims 4, 6, 11, 13, 18 and 20 as obvious from Okada in view of Hiramoto et al, claims 18 and 20 have been cancelled. As to the remaining claims, all of these claims are directly or indirectly dependent on claim 1. The deficiencies of Okada vis-à-vis claim 1 are discussed above. It is submitted that Hiramoto et al does not supply the missing teachings to Okada to achieve or render obvious claim 1, or any of the claims dependent thereon.

Hiramoto et al has been cited as teaching an LCD device wherein a pigment is mixed then dispersed in an adhesive, which transmits light for obtaining a desired display color. However, the more basic and essential features of Applicant's claimed invention missing from Okada as above discussed are not supplied by Hiramoto et al. Thus, no combination of Okada and Hiramoto et al could achieve render obvious claim 1 or any of the claims dependent thereon.

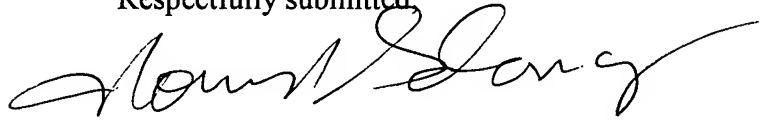
Having dealt with all the objections raised by the Examiner, the Application is believed to be in order for allowance. Early and favorable action are respectfully requested.

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Respectfully submitted,



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